

RAW SEQUENCE LISTING

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Application Serial Number: 10/537,767
Source: IFW0
Date Processed by STIC: 05/18/2006

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/537,767

DATE: 05/18/2006

TIME: 13:47:13

Input Set : A:\10-537,767 Sequence Listing.txt
 Output Set: N:\CRF4\05182006\J537767.raw

3 <110> APPLICANT: Astellas Pharma Inc.
 5 <120> TITLE OF INVENTION: Protein Which Binds To Akt2
 7 <130> FILE REFERENCE: Q88255
 9 <140> CURRENT APPLICATION NUMBER: 10/537,767
 10 <141> CURRENT FILING DATE: 2005-06-06
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP03/15546
 13 <151> PRIOR FILING DATE: 2003-12-04
 15 <150> PRIOR APPLICATION NUMBER: JP 2002-354155
 16 <151> PRIOR FILING DATE: 2002-12-05
 18 <150> PRIOR APPLICATION NUMBER: JP 2003-206952
 19 <151> PRIOR FILING DATE: 2003-08-08
 21 <160> NUMBER OF SEQ ID NOS: 27
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1722
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Mus sp.
 31 <220> FEATURE:
 32 <221> NAME/KEY: CDS
 33 <222> LOCATION: (1)..(1719)
 35 <400> SEQUENCE: 1
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 37 Met Ala Ala Val Pro Pro Leu Arg Asp Arg Leu Ser Phe Leu His Arg
 38 1 5 10 15
 40 ctc ccc atc ctg ttg aag ggg acc tca gat gat agc atc cca tgt cca 96
 41 Leu Pro Ile Leu Lys Gly Thr Ser Asp Asp Ser Ile Pro Cys Pro
 42 20 25 30
 44 ggc tac ctg ttt gaa gag atc gcc aag att tcc cac gag tca cta ggc 144
 45 Gly Tyr Leu Phe Glu Glu Ile Ala Lys Ile Ser His Glu Ser Leu Gly
 46 35 40 45
 48 agc agc cag tgc ctg gag tac ctc ctg aac cgt ctg gac agc agc 192
 49 Ser Ser Gln Cys Leu Leu Glu Tyr Leu Leu Asn Arg Leu Asp Ser Ser
 50 50 55 60
 52 tcc ggc cac gtg aag ctc aag gtg cta aag atc ttg ctt tac ctg tgt 240
 53 Ser Gly His Val Lys Leu Lys Val Leu Lys Ile Leu Leu Tyr Leu Cys
 54 65 70 75 80
 56 ggt cat ggc tct tcc ttc ctc atc ctc agg aga aac tct gct 288
 57 Gly His Gly Ser Ser Phe Leu Leu Ile Leu Arg Arg Asn Ser Ala
 58 85 90 95
 60 ctc atc caa gaa gcc acg gct ttc tca ggg cct cca gat cct ctt cac 336
 61 Leu Ile Gln Glu Ala Thr Ala Phe Ser Gly Pro Pro Asp Pro Leu His
 62 100 105 110
 64 gga aat agc ttg tac cag aag gtg cgg gcg gct gcc cag gac ctg ggt 384

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65	Gly	Asn	Ser	Leu	Tyr	Gln	Lys	Val	Arg	Ala	Ala	Ala	Gln	Asp	Leu	Gly	
66				115				120					125				
68	agc	acc	ctg	ttc	tca	gat	gcc	gtg	cca	cag	cct	cca	tcg	cag	cca	cct	432
69	Ser	Thr	Leu	Phe	Ser	Asp	Ala	Val	Pro	Gln	Pro	Pro	Ser	Gln	Pro	Pro	
70				130				135					140				
72	cag	atc	ccg	cct	ccc	gca	ggc	atg	ggc	gcc	cag	gcc	aga	cct	ctt	agt	480
73	Gln	Ile	Pro	Pro	Pro	Ala	Gly	Met	Gly	Ala	Gln	Ala	Arg	Pro	Leu	Ser	
74	145					150				155			160				
76	gcc	ctg	caa	ggc	ttc	ggc	tac	acg	aag	gag	agc	agc	cgg	aca	ggc	tcc	528
77	Ala	Leu	Gln	Gly	Phe	Gly	Tyr	Thr	Lys	Glu	Ser	Ser	Arg	Thr	Gly	Ser	
78						165			170			175					
80	gca	ggt	gaa	acc	ttc	ctc	tcc	acc	atc	cag	agg	gcc	gca	gag	gta	gtg	576
81	Ala	Gly	Glu	Thr	Phe	Leu	Ser	Thr	Ile	Gln	Arg	Ala	Ala	Glu	Val	Val	
82						180			185			190					
84	gct	aat	gct	gtg	cgt	cct	gga	cct	gat	aat	cct	tgt	acc	aag	gga	ccc	624
85	Ala	Asn	Ala	Val	Arg	Pro	Gly	Pro	Asp	Asn	Pro	Cys	Thr	Lys	Gly	Pro	
86						195			200			205					
88	ttg	ccg	tat	ggt	gat	tcc	tac	cag	cct	gca	gtg	aca	cct	tca	gct	agc	672
89	Leu	Pro	Tyr	Gly	Asp	Ser	Tyr	Gln	Pro	Ala	Val	Thr	Pro	Ser	Ala	Ser	
90						210			215			220					
92	cac	aca	cat	ccc	aac	cct	ggg	aat	cta	ctc	cct	ggg	gcc	atc	ctg	ggg	720
93	His	Thr	His	Pro	Asn	Pro	Gly	Asn	Leu	Leu	Pro	Gly	Ala	Ile	Leu	Gly	
94	225					230				235			240				
96	gcc	aga	gct	gtg	aga	cac	cag	ccc	ggg	cag	gct	ggg	ggc	ggc	tgg	gat	768
97	Ala	Arg	Ala	Val	Arg	His	Gln	Pro	Gly	Gln	Ala	Gly	Gly	Gly	Trp	Asp	
98						245			250			255					
100	gag	ctg	gac	agc	agt	cct	agt	tcc	cag	aat	tcc	tcc	tgc	acc	agc	aac	816
101	Glu	Leu	Asp	Ser	Ser	Pro	Ser	Ser	Gln	Asn	Ser	Ser	Cys	Thr	Ser	Asn	
102						260			265			270					
104	ctg	agc	agg	gcc	tcg	gac	tcg	ggc	agt	cgg	tct	ggc	agt	gac	agc	cac	864
105	Leu	Ser	Arg	Ala	Ser	Asp	Ser	Gly	Ser	Arg	Ser	Gly	Ser	Asp	Ser	His	
106						275			280			285					
108	tct	ggc	acc	agc	cg	gag	cca	ggc	gac	ctg	gca	gaa	agg	gct	gag	gcc	912
109	Ser	Gly	Thr	Ser	Arg	Glu	Pro	Gly	Asp	Leu	Ala	Glu	Arg	Ala	Glu	Ala	
110						290			295			300					
112	acg	ccc	cca	aat	gac	tgc	cag	caa	gaa	ctg	aat	cta	gtg	agg	act	gtg	960
113	Thr	Pro	Pro	Asn	Asp	Cys	Gln	Gln	Glu	Leu	Asn	Leu	Val	Arg	Thr	Val	
114	305					310				315			320				
116	aca	cag	ggg	cca	cgt	gtc	ttc	ctg	agc	cgt	gag	gag	acg	cag	cac	ttc	1008
117	Thr	Gln	Gly	Pro	Arg	Val	Phe	Leu	Ser	Arg	Glu	Glu	Thr	Gln	His	Phe	
118						325			330			335					
120	atc	aaa	gag	tgt	ggc	ctg	ctc	aac	tgt	gag	gca	gtg	ctg	gag	ctg	ctc	1056
121	Ile	Lys	Glu	Cys	Gly	Leu	Leu	Asn	Cys	Glu	Ala	Val	Leu	Glu	Leu	Leu	
122						340			345			350					
124	ctg	cgc	cag	ctg	gtc	ggg	acc	agt	gag	tgc	gag	cag	atg	agg	gcg	ctg	1104
125	Leu	Arg	Gln	Leu	Val	Gly	Thr	Ser	Glu	Cys	Glu	Gln	Met	Arg	Ala	Leu	
126						355			360			365					
128	tgt	gcc	atc	gcg	tcc	ttt	ggg	agt	gct	gac	ctc	ctg	cct	cag	gag	cac	1152
129	Cys	Ala	Ile	Ala	Ser	Phe	Gly	Ser	Ala	Asp	Leu	Leu	Pro	Gln	Glu	His	

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130	370	375	380	
132	gtc ctc ctc ctg tgc cga cag cag ctg cag gaa ctt ggc gcg ggc agc			1200
133	Val Leu Leu Leu Cys Arg Gln Gln Leu Gln Glu Leu Gly Ala Gly Ser			
134	385	390	395	400
136	cct gga cct gtg acc aac aaa gcc acc aag atc ctg aga cat ttt gaa			1248
137	Pro Gly Pro Val Thr Asn Lys Ala Thr Lys Ile Leu Arg His Phe Glu			
138	405	410	415	
140	gcc tcc tgt gga caa cag ctc cct acc cta agg ctc tgt gcc cag ccc			1296
141	Ala Ser Cys Gly Gln Gln Leu Pro Thr Leu Arg Leu Cys Ala Gln Pro			
142	420	425	430	
144	aac tct gca gct gcc cct gtg ggc cca gct gac ctg ctg acc agc ccc			1344
145	Asn Ser Ala Ala Pro Val Gly Pro Ala Asp Leu Leu Thr Ser Pro			
146	435	440	445	
148	gtg cct gcc cct ggg agc cag gtc tgc ctc cag cct ctc agc tcc gcc			1392
149	Val Pro Ala Pro Gly Ser Gln Val Cys Leu Gln Pro Leu Ser Ser Ala			
150	450	455	460	
152	aca gtg gta ccc agg agt cct gtg ctc ttt cca tcc ccc aat acc tta			1440
153	Thr Val Val Pro Arg Ser Pro Val Leu Phe Pro Ser Pro Asn Thr Leu			
154	465	470	475	480
156	cct ccg tct gct ctg gag gag ccc agc gag gtc cga acc caa ttg gtg			1488
157	Pro Pro Ser Ala Leu Glu Glu Pro Ser Glu Val Arg Thr Gln Leu Val			
158	485	490	495	
160	tgt tct agt gaa cag ggg aca gaa tct gag cag agg ctg gag aac aca			1536
161	Cys Ser Ser Glu Gln Gly Thr Glu Ser Glu Gln Arg Leu Glu Asn Thr			
162	500	505	510	
164	gac acc cca gag gat agc tcc agt ccg ctc ccg tgg agt ccc aac tct			1584
165	Asp Thr Pro Glu Asp Ser Ser Pro Leu Pro Trp Ser Pro Asn Ser			
166	515	520	525	
168	ttg ttt gct ggc atg gag ctg gtg gct tgc ccc cgc ctg cct tgc cac			1632
169	Leu Phe Ala Gly Met Glu Leu Val Ala Cys Pro Arg Leu Pro Cys His			
170	530	535	540	
172	agc tcg cag gac ctc cag aca gat tta cag aag gtg acc aca gaa gct			1680
173	Ser Ser Gln Asp Leu Gln Thr Asp Leu Gln Lys Val Thr Thr Glu Ala			
174	545	550	555	560
176	ccg gtt tca gag cca tca gct ttt gca ttt tta aac atg tga			1722
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178	565	570		
181	<210> SEQ ID NO: 2			
182	<211> LENGTH: 573			
183	<212> TYPE: PRT			
184	<213> ORGANISM: Mus sp.			
186	<400> SEQUENCE: 2			
188	Met Ala Ala Val Pro Pro Leu Arg Asp Arg Leu Ser Phe Leu His Arg			
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192	Leu Pro Ile Leu Leu Lys Gly Thr Ser Asp Asp Ser Ile Pro Cys Pro			
193	20	25	30	
196	Gly Tyr Leu Phe Glu Glu Ile Ala Lys Ile Ser His Glu Ser Leu Gly			
197	35	40	45	
200	Ser Ser Gln Cys Leu Leu Glu Tyr Leu Leu Asn Arg Leu Asp Ser Ser			

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201	50	55	60													
204	Ser	Gly	His	Val	Lys	Leu	Lys	Val	Leu	Lys	Ile	Leu	Leu	Tyr	Leu	Cys
205	65				70				75							80
208	Gly	His	Gly	Ser	Ser	Ser	Phe	Leu	Leu	Ile	Leu	Arg	Arg	Asn	Ser	Ala
209						85				90						95
212	Leu	Ile	Gln	Glu	Ala	Thr	Ala	Phe	Ser	Gly	Pro	Pro	Asp	Pro	Leu	His
213						100			105							110
216	Gly	Asn	Ser	Leu	Tyr	Gln	Lys	Val	Arg	Ala	Ala	Ala	Gln	Asp	Leu	Gly
217						115			120							125
220	Ser	Thr	Leu	Phe	Ser	Asp	Ala	Val	Pro	Gln	Pro	Pro	Ser	Gln	Pro	Pro
221						130			135							140
224	Gln	Ile	Pro	Pro	Pro	Ala	Gly	Met	Gly	Ala	Gln	Ala	Arg	Pro	Leu	Ser
225						145			150			155				160
228	Ala	Leu	Gln	Gly	Phe	Gly	Tyr	Thr	Lys	Glu	Ser	Ser	Arg	Thr	Gly	Ser
229						165			170							175
232	Ala	Gly	Glu	Thr	Phe	Leu	Ser	Thr	Ile	Gln	Arg	Ala	Ala	Glu	Val	Val
233						180			185							190
236	Ala	Asn	Ala	Val	Arg	Pro	Gly	Pro	Asp	Asn	Pro	Cys	Thr	Lys	Gly	Pro
237						195			200							205
240	Leu	Pro	Tyr	Gly	Asp	Ser	Tyr	Gln	Pro	Ala	Val	Thr	Pro	Ser	Ala	Ser
241						210			215			220				
244	His	Thr	His	Pro	Asn	Pro	Gly	Asn	Leu	Leu	Pro	Gly	Ala	Ile	Leu	Gly
245						225			230			235				240
248	Ala	Arg	Ala	Val	Arg	His	Gln	Pro	Gly	Gln	Ala	Gly	Gly	Gly	Trp	Asp
249						245			250			255				
252	Glu	Leu	Asp	Ser	Ser	Pro	Ser	Ser	Gln	Asn	Ser	Ser	Cys	Thr	Ser	Asn
253						260			265			270				
256	Leu	Ser	Arg	Ala	Ser	Asp	Ser	Gly	Ser	Arg	Ser	Gly	Ser	Asp	Ser	His
257						275			280			285				
260	Ser	Gly	Thr	Ser	Arg	Glu	Pro	Gly	Asp	Leu	Ala	Glu	Arg	Ala	Glu	Ala
261						290			295			300				
264	Thr	Pro	Pro	Asn	Asp	Cys	Gln	Gln	Glu	Leu	Asn	Leu	Val	Arg	Thr	Val
265						305			310			315				320
268	Thr	Gln	Gly	Pro	Arg	Val	Phe	Leu	Ser	Arg	Glu	Glu	Thr	Gln	His	Phe
269						325			330			335				
272	Ile	Lys	Glu	Cys	Gly	Leu	Leu	Asn	Cys	Glu	Ala	Val	Leu	Glu	Leu	Leu
273						340			345			350				
276	Leu	Arg	Gln	Leu	Val	Gly	Thr	Ser	Glu	Cys	Glu	Gln	Met	Arg	Ala	Leu
277						355			360			365				
280	Cys	Ala	Ile	Ala	Ser	Phe	Gly	Ser	Ala	Asp	Leu	Leu	Pro	Gln	Glu	His
281						370			375			380				
284	Val	Leu	Leu	Leu	Cys	Arg	Gln	Gln	Leu	Gln	Glu	Leu	Gly	Ala	Gly	Ser
285						385			390			395				400
288	Pro	Gly	Pro	Val	Thr	Asn	Lys	Ala	Thr	Lys	Ile	Leu	Arg	His	Phe	Glu
289						405			410			415				
292	Ala	Ser	Cys	Gly	Gln	Gln	Leu	Pro	Thr	Leu	Arg	Leu	Cys	Ala	Gln	Pro
293						420			425			430				
296	Asn	Ser	Ala	Ala	Ala	Pro	Val	Gly	Pro	Ala	Asp	Leu	Leu	Thr	Ser	Pro
297						435			440			445				

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300 Val Pro Ala Pro Gly Ser Gln Val Cys Leu Gln Pro Leu Ser Ser Ala
 301 450 455 460
 304 Thr Val Val Pro Arg Ser Pro Val Leu Phe Pro Ser Pro Asn Thr Leu
 305 465 470 475 480
 308 Pro Pro Ser Ala Leu Glu Glu Pro Ser Glu Val Arg Thr Gln Leu Val
 309 485 490 495
 312 Cys Ser Ser Glu Gln Gly Thr Glu Ser Glu Gln Arg Leu Glu Asn Thr
 313 500 505 510
 316 Asp Thr Pro Glu Asp Ser Ser Pro Leu Pro Trp Ser Pro Asn Ser
 317 515 520 525
 320 Leu Phe Ala Gly Met Glu Leu Val Ala Cys Pro Arg Leu Pro Cys His
 321 530 535 540
 324 Ser Ser Gln Asp Leu Gln Thr Asp Leu Gln Lys Val Thr Thr Glu Ala
 325 545 550 555 560
 328 Pro Val Ser Glu Pro Ser Ala Phe Ala Phe Leu Asn Met
 329 565 570
 332 <210> SEQ ID NO: 3
 333 <211> LENGTH: 1782
 334 <212> TYPE: DNA
 335 <213> ORGANISM: Homo sapiens
 338 <220> FEATURE:
 339 <221> NAME/KEY: CDS
 340 <222> LOCATION: (1)..(1782)
 342 <400> SEQUENCE: 3
 343 atg gct gcc gcg ccg cta cg^g gac cgc ctg agc ttt cta cac cg^g 48
 344 Met Ala Ala Ala Pro Pro Leu Arg Asp Arg Leu Ser Phe Leu His Arg
 345 1 5 10 15
 347 ctc ccg att ctc ctg aag ggg acg tcc gat gat gtc ccg tgt ccg 96
 348 Leu Pro Ile Leu Leu Lys Gly Thr Ser Asp Asp Asp Val Pro Cys Pro
 349 20 25 30
 351 ggc tac ctg ttt gaa gag att gct aaa atc tcc cac gag tct ccg ggc 144
 352 Gly Tyr Leu Phe Glu Glu Ile Ala Lys Ile Ser His Glu Ser Pro Gly
 353 35 40 45
 355 agc agc cag tgc ctg ctg gag tac ctc ctg agc cgc ctg cac agc agc 192
 356 Ser Ser Gln Cys Leu Leu Glu Tyr Leu Leu Ser Arg Leu His Ser Ser
 357 50 55 60
 359 tcc ggc cac ggg aag ctc aag gtg ctg aag atc ctg ctc tat ctg tgc 240
 360 Ser Gly His Gly Lys Leu Lys Val Leu Lys Ile Leu Leu Tyr Leu Cys
 361 65 70 75 80
 363 agc cac ggc tcc tcc ttc ctg ctc atc ctc aaa cgc aac tct gcc 288
 364 Ser His Gly Ser Ser Phe Phe Leu Leu Ile Leu Lys Arg Asn Ser Ala
 365 85 90 95
 367 ttc atc cag gaa gct ttt gca ggg ccc cca gat cct ctg cac 336
 368 Phe Ile Gln Glu Ala Ala Ala Phe Ala Gly Pro Pro Asp Pro Leu His
 369 100 105 110
 371 ggg aac agc ttg tac cag aag gtt cgc gcg gcc gcg cag gac ttg ggg 384
 372 Gly Asn Ser Leu Tyr Gln Lys Val Arg Ala Ala Ala Gln Asp Leu Gly
 373 115 120 125
 375 agc acc ctg ttc tcg gac acc gtg ttg ccg ctg gct ccc tcc cag cct 432

VERIFICATION SUMMARY

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